

USCMS Engineer Status Report for January 2004

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1 Work Performed This Month

I prepared and gave a one hour tutorial over VRVS for ORCA developers. The tutorial was titled "What an ORCA developer should know about POOL". This tutorial took four full days to prepare, and was very well received.

I spent a considerable amount of time studying COBRA internals in order to begin implementing a COBRA interface to POOL collections. In particular, in order to code a POOL collection writer and reader I needed to understand the existing readers and writers in COBRA and how they are used.

I attended four hours of meetings on POOL collections at Argonne with David Mallon and three others where we discussed in great detail the work plan for POOL collections.

Michael Ernst was having a problem with the new dcache library that he received from DESY, and I solved the problem for him. He had built it with the wrong compiler. I also tested the workings of dcache in the ORCA_7_6_0 DAR release sent out by Natalia. This release needed a patch for dcache.

I was on vacation the last week in January (beginning Tuesday), so it was a short month, workwise.

2 Plans For Next Month

- 1) Begin coding for POOL collection Reader and Writer in COBRA.

2) Begin implementation in COBRA of the ability of the user to use ROOT TTrees for data. Study and improve the browsability of COBRA/POOL files by ROOT.

3 Links To Supporting Documentation

- Here is a link to my tutorial (Powerpoint)
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- <http://agenda.cern.ch/fullAgenda.php?ida=a04218>